

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053023\
 Data File : VW031267.D
 Acq On : 30 May 2023 14:47
 Operator : SY/MD
 Sample : VSTD00148
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 04:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 04:54:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	114470	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	113054	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	54706	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	9171	0.754	ug/L	0.00
7) Chloroethane-d5	1.535	69	9661	0.973	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.066	65	4517	0.874	ug/L	0.00
20) 2-Butanone-d5	3.838	46	26751m	9.431	ug/L	0.03
24) Chloroform-d	4.259	84	20215	0.818	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	11010	0.886	ug/L	0.00
32) Benzene-d6	4.969	84	35266	0.761	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	12681	0.809	ug/L	0.00
41) Toluene-d8	7.252	98	30476	0.753	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	3904	0.778	ug/L	0.00
46) 2-Hexanone-d5	8.043	63	15518m	7.262	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.162	84	9710	0.853	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	10676	0.832	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	18384	1.383	ug/L	99
3) Chloromethane	1.217	50	18299	1.268	ug/L	96
5) Vinyl chloride	1.285	62	18303	1.316	ug/L	99
6) Bromomethane	1.490	94	9595	1.331	ug/L	92
8) Chloroethane	1.552	64	11529	1.504	ug/L	94
9) Trichlorofluoromethane	1.719	101	26385	1.361	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	14947	1.443	ug/L	97
12) 1,1-Dichloroethene	2.072	96	12481	1.472	ug/L	93
13) Acetone	2.143	43	22743m	10.604	ug/L	
14) Carbon disulfide	2.246	76	37316	1.461	ug/L	99
15) Methyl Acetate	2.394	43	4382	0.997	ug/L	91
16) Methylene chloride	2.455	84	19853	1.539	ug/L	94
17) Methyl tert-butyl Ether	2.712	73	24348	1.093	ug/L #	96
18) trans-1,2-Dichloroethene	2.703	96	11731	1.289	ug/L	93
19) 1,1-Dichloroethane	3.121	63	26073	1.188	ug/L	99
21) 2-Butanone	3.912	43	28711m	10.343	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	11632	1.132	ug/L	97
23) Bromochloromethane	4.159	128	5335	1.174	ug/L	93
25) Chloroform	4.288	83	28719	1.270	ug/L	98
27) 1,2-Dichloroethane	5.056	62	14184	1.117	ug/L	100
29) 1,1,1-Trichloroethane	4.519	97	23685	1.119	ug/L	97
30) Cyclohexane	4.590	56	18596	1.087	ug/L	98
31) Carbon tetrachloride	4.744	117	20262	1.103	ug/L	99
33) Benzene	5.021	78	46024	1.063	ug/L	100
34) Trichloroethene	5.844	95	13565	1.165	ug/L	94
35) Methylcyclohexane	6.059	83	17468	1.063	ug/L	98
37) 1,2-Dichloropropane	6.104	63	12767	1.018	ug/L #	95
38) Bromodichloromethane	6.442	83	18232	1.171	ug/L #	92
39) cis-1,3-Dichloropropene	6.966	75	14759	0.988	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	65987	10.591	ug/L	99
42) Toluene	7.323	91	45857	1.076	ug/L	97
44) trans-1,3-Dichloropropene	7.596	75	12766	0.989	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031267.D
 Acq On : 30 May 2023 14:47
 Operator : SY/MD
 Sample : VSTD00148
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 04:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 04:54:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.780	97	8849	1.171	ug/L	97
47) Tetrachloroethene	7.911	164	10218	1.194	ug/L	91
48) 2-Hexanone	8.091	43	49092m	9.956	ug/L	
49) Dibromochloromethane	8.185	129	10198	1.089	ug/L	94
50) 1,2-Dibromoethane	8.294	107	9090	1.255	ug/L	98
51) Chlorobenzene	8.825	112	29858	1.067	ug/L	97
52) Ethylbenzene	8.956	91	46981	0.987	ug/L	99
53) m,p-Xylene	9.082	106	16257	0.928	ug/L	92
54) o-Xylene	9.487	106	15417	0.923	ug/L	96
55) Styrene	9.506	104	26006	0.881	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	10654	1.103	ug/L	95
59) Bromoform	9.673	173	5293	1.158	ug/L	98
60) Isopropylbenzene	9.873	105	42514	1.034	ug/L	97
61) 1,2,3-Trichloropropane	10.223	75	7661	1.251	ug/L	96
62) 1,3,5-Trimethylbenzene	10.484	105	33095	0.991	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	33465	0.979	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	22123	1.121	ug/L	93
65) 1,4-Dichlorobenzene	11.217	146	22825	1.148	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	19768	1.067	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	1611	1.184	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	15553	0.989	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	10363	0.849	ug/L	95
71) Naphthalene	13.448	128	13377	0.733	ug/L	98
72) 1,2,3-Trichlorobenzene	13.689	180	9192	0.877	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053023\
 Data File : VV031267.D
 Acq On : 30 May 2023 14:47
 Operator : SY/MD
 Sample : VSTD00148
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 31 04:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR053023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 31 04:54:18 2023
 Response via : Initial Calibration

